```
Package CIE;
public class internal extends student {
        private int [] internalMarks;
Public Internal (String name, int[] internalMarks) {
    Super (name);
    this.internalmarks = internalMarks;
    this. Set Marks (internal Marks);
    }

    public int[] get Internal Marks () {
        return internalmarks;
    }

    public void    set Internal Marks (int[] internalmarks ) {
        this. internal marks = internalmarks;
        this. setmarks = (internalMarks);
    }


    Package SEE;
    import cie. student;
    public class External extends student {
    private int[]    external marks;
    public External (String name, int[] externalMarks ) {
    Super (name)
    this. external marks = external marks;
    this. Set marks (external Marks).
    }
    Public int [] get External Marks () {
        return external Marks;
    }

    Public void  Set External Marks (int[] externalMarks )
        this. externalmarks = external marks;
        this. set marks (external marks);
```

" Lab-6 "

1) create a package CIE which has 2 classes - student & internals. The class student has members like Usn, name, sem. The class internals derived from student has an array that stores internal marks scored in 5 courses of the current semester of the student. Create another package SEE which has the class External which is a derived class of the student. Import the 2 package in a file that declares the final marks of n student in all 5 courses.

```
Package CIE;
public class student {
    protected string name;
    protected int[] marks;
public student (string name) {
        this.name = name;
        this.marks = new int[5]; }
public string getName() {
        return name;
    }
Public void setMarks (int[] marks)
        this.marks = marks;
    }

    public int[] get marks () {
        return marks;
    }
}
```

```
internal students s[i] = new internal (name, internal Mark
external students [i] = new External (name, externalmarks
}

System.out.println ("in Final Marks for all students : ");
for (i=0 ; i<n; i++) {
int [ ]  internal marks = internal students [i].getmarks(
int [ ]  external marks = externalstudents [j].getmarks(
System.out.println ("in student " + internal students [i].
                    get Name ();
System.out.print ("Internal marks: ");
for (int mark: internal marks ) {
    System.out.println (marks + " ");
}
System.out.print "in External marks: ");
for (int mark: external marks ) {
    System.out.print (mark + " ");
}


System.out.print ("in Final marks ");
for (in j = 0 ; j< 5 ; j++ ) {
    int final mark = internal marks [j] + externalmarks
    System.out.print(final mark + " ");        [j];
}

System.out.println ();
}
sc.close ();
}
}
```

O/p :-

Enter number of students: 1
Enter the name of student 1: abhinav
Enter internal marks (5 courses) for abhinav:
1
1
1
1
1

Enter external marks (5 courses) for abhinav :
2
2
2
2
2

Final marks for all students
Student : abhinav.
internal marks : 1 1 1 1 1
external marks : 2 2 2 2 2
Final marks : 3 3 3 3 3